

Amendments to the Specification:

Please insert the following new paragraph on page 1, before line 3:

FIELD OF THE INVENTION

Please insert the following new paragraph on page 1, after line 5:

BACKGROUND OF THE INVENTION

Please insert the following new paragraph on page 2, after line 16:

SUMMARY OF THE INVENTION

Please replace the paragraph beginning at page 4, line 12, with the following new paragraph:

The wavy profile running in a zigzag-shaped manner is in this case characterized particularly by the leg length, the leg angle between adjacent legs and the profile depth. According to preferred refinements of the invention, the leg length is in the range of 8 to 15 mm, preferably in the range of 9 to 12 mm. Typical values of the profile depth, which is calculated, for example, from the distance between a wave crest and the plate center plane, are in the range of 0.3 to 1.5 mm. For many applications, a profile depth of between 0.5 and 1 mm may be advantageous, while values of approximately 0.75 mm may be preferred. The profile depth may be also between 0.3 mm and 2 mm, in the case of liquid media preferably between 0.5 mm and 1 mm and, in particular, between 0.7 mm and 0.8 mm, and, in the case of gaseous media, preferably in the range

between 0.6 mm and 2 mm and, in particular, around 1.5 mm. The leg angle between two legs of the wavy profile is preferably between 45° and 135°. Particularly values around 90° constitute a good compromise with regard to the distribution of fluid, the throughflow velocity and the throughflow capacity of the heat exchanger.

Please insert the following new paragraph on page 14, after line 14:

BRIEF DESCRIPTION OF THE DRAWINGS

Please replace the paragraph beginning at page 21, line 23, with the following new paragraph:

FIG. 6 shows a plate stack 21 consisting of comprising a baseplate 88, of plates 10 and of a cover plate 89 which has three bores 18, 18a. The bores 18 serve for routing a first medium which is led through between the plates in such a way that it flows through the plate interspaces 20 parallel to one another. A second medium enters the plate stack through the bore 18a and re-emerges from the plate stack through the bore 18b in the baseplate.

Please replace the paragraph beginning at page 21, line 33, with the following new paragraph:

By means of at least one partition which is arranged between the bores 18a and 18b and cannot be seen from outside, the flow ducts for the second medium are divided into at least two flow paths through which the latter flows in succession and

which each ~~consist of~~ comprises one or more flow ducts. By contrast, the first medium flows through the flow ducts of the latter in parallel. In a modified exemplary embodiment, by contrast, the flow ducts for the first medium are likewise divided into at least two flow paths through which the first medium flows in succession.

Please insert the following new paragraph on page 35, after line 33:

DETAILED DESCRIPTION